

In the Claims

Applicant has submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please add new claims 65-67 as presented below.

Claims 1-45. (Canceled)

1 46. (Previously Presented) A prosthetic repair fabric for repairing a tissue or muscle wall defect, the prosthetic repair fabric comprising:

a layer of mesh fabric with a plurality of interstices that are constructed and arranged to allow tissue ingrowth, the mesh fabric being susceptible to the formation of adhesions with sensitive tissue and organs, the mesh fabric including first and second sides and an edge extending between the first and second sides;

at least one barrier layer that inhibits the formation of adhesions with sensitive tissue and organs, the barrier layer being disposed on at least a portion of one of the first and second sides of the layer of mesh fabric to inhibit the formation of adhesions between the portion of the mesh fabric and adjacent sensitive tissue and organs; and

an edge barrier that inhibits the formation of adhesions with sensitive tissue and organs, the edge barrier being adapted to isolate at least a portion of the edge of the mesh fabric from adjacent sensitive tissue and organs.

2 47. (Previously Presented) The prosthetic repair fabric according to claim 46, wherein the layer of mesh fabric and the barrier layer are connected by a series of stitches.

3 48. (Previously Presented) The prosthetic repair fabric according to claim 47, wherein the series of stitches includes at least one series of continuous stitches having a stitch pattern, at least a portion of the stitch pattern approximating the shape of an outer peripheral edge of the layer of mesh fabric.

4' 49. (Previously Presented) The prosthetic repair fabric according to claim 48,
wherein the at least one series of continuous stitches includes a pair of continuous stitches, the
stitch pattern for each of the pair of continuous stitches approximating the shape of the outer
peripheral edge.

5 50. (Previously Presented) The prosthetic repair fabric according to claim 46,
wherein the layer of mesh fabric is formed from polypropylene.

6 51. (Previously Presented) The prosthetic repair fabric according to claim 46,
wherein the barrier layer is formed from ePTFE.

7 52. (Previously Presented) The prosthetic repair fabric according to claim 46,
wherein the edge barrier is formed from ePTFE.

8 53. (Previously Presented) An implantable prosthesis for repairing a tissue or
muscle wall defect, the implantable prosthesis comprising:

a layer of repair fabric that is susceptible to the formation of adhesions with tissue and
organs, the layer of repair fabric including first and second sides and an edge extending
between the first and second sides;

a barrier layer that inhibits the formation of adhesions with tissue and organs, the
barrier layer being configured to inhibit the formation of adhesions between at least a portion
of one of the first and second sides and adjacent tissue and organs; and

an edge barrier that inhibits the formation of adhesions with tissue and organs, the edge
barrier being adapted to cover at least a portion of the edge of the layer of repair fabric to
inhibit the formation of adhesions between the portion of the edge of the layer of repair fabric
and adjacent tissue and organs.

9 54. (Previously Presented) The implantable prosthesis according to claim 53,
wherein the layer of repair fabric includes a plurality of interstices that are constructed and
arranged to allow tissue ingrowth thereto.

10 55. (Previously Presented) The implantable prosthesis according to claim 53,
wherein the layer of repair fabric and the barrier layer are connected by at least one series of
stitches.

11 56. (Previously Presented) The implantable prosthesis according to claim 53,
wherein the layer of repair fabric includes a polypropylene mesh.

12 57. (Previously Presented) The implantable prosthesis according to claim 56,
wherein the barrier layer includes ePTFE.

13 58. (Previously Presented) The implantable prosthesis according to claim 56,
wherein the edge barrier includes ePTFE.

14 59. (Previously Presented) A method of repairing a tissue or muscle wall defect, the
method comprising steps of:

(a) providing an implantable prosthesis including a layer of repair fabric that is
susceptible to the formation of adhesions with tissue and organs, the layer of repair fabric
including first and second sides and an edge extending between the first and second sides, the
prosthesis also including a barrier layer that inhibits the formation of adhesions with tissue and
organs, the barrier layer being configured to inhibit the formation of adhesions between at least
a portion of the first side and adjacent tissue and organs, the implantable prosthesis further
including an edge barrier that inhibits the formation of adhesions with tissue and organs, the
edge barrier covering at least a portion of the edge of the layer of repair fabric to inhibit the
formation of adhesions between the portion of the edge of the layer of repair fabric and
adjacent tissue and organs; and

(b) implanting the implantable prosthesis with the barrier layer and the edge barrier
being positioned between the layer of repair fabric and a region of potential adhesions with
tissue and organs.

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60. (Previously Presented) The method according to claim 59, wherein the layer of repair fabric includes a plurality of interstices that are constructed and arranged to allow tissue ingrowth thereto.

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61. (Previously Presented) The method according to claim 59, wherein the layer of repair fabric and the barrier layer are connected by at least one series of stitches.

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62. (Previously Presented) The method according to claim 59, wherein the layer of repair fabric includes a polypropylene mesh.

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63. (Previously Presented) The method according to claim 62, wherein the barrier layer includes ePTFE.

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64. (Previously Presented) The method according to claim 63, wherein the edge barrier includes ePTFE.

20 65. (New) A prosthetic repair fabric for repairing a tissue or muscle wall defect, the prosthetic repair fabric comprising:

a layer of mesh fabric that is susceptible to the formation of adhesions with sensitive tissue and organs, the layer of mesh fabric including first and second sides, an edge extending between the first and second sides, a margin section proximate to the edge and an interior body section surrounded by the margin section;

at least one barrier layer that inhibits the formation of adhesions with sensitive tissue and organs, the barrier layer being disposed on at least a portion of the interior body section of the layer of mesh fabric to inhibit the formation of adhesions between the portion of the interior body section and adjacent sensitive tissue and organs; and

an edge barrier that inhibits the formation of adhesions with sensitive tissue and organs, the edge barrier being adapted to isolate at least a portion of the edge of the mesh fabric from adjacent sensitive tissue and organs.

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66. (New) The prosthetic repair fabric according to claim 63, wherein the layer of repair fabric includes a plurality of interstices that are constructed and arranged to allow tissue ingrowth thereto.

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67. (New) The prosthetic repair fabric according to claim 65, wherein the layer of repair fabric and the barrier layer are connected by at least one series of stitches.

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68. (New) The prosthetic repair fabric according to claim 65, wherein the layer of repair fabric includes a polypropylene mesh.

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69. (New) The prosthetic repair fabric according to claim 68, wherein the barrier layer is formed of ePTFE.

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70. (New) The prosthetic repair fabric according to claim 68, wherein the edge barrier is formed of ePTFE.

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71. (New) The prosthetic repair fabric according to claim 65, wherein the barrier layer is disposed on at least a portion of the margin section of the layer of mesh fabric.